

# **Ecological Revitalization Webinar Case Study**

Calumet Container:

Ecological Revitalization and Reuse at a Time-Critical Removal Action Site

Tom Bloom, EPA Region 5

#### Site Introduction & Presentation Overview



- Getting Started:

   Integrating Remedy
   & Reuse, Enabling
   Ecological
   Revitalization
- The Removal Action: Key Moments and Components
- Project Outcomes & Lessons Learned

### **Site Introduction**







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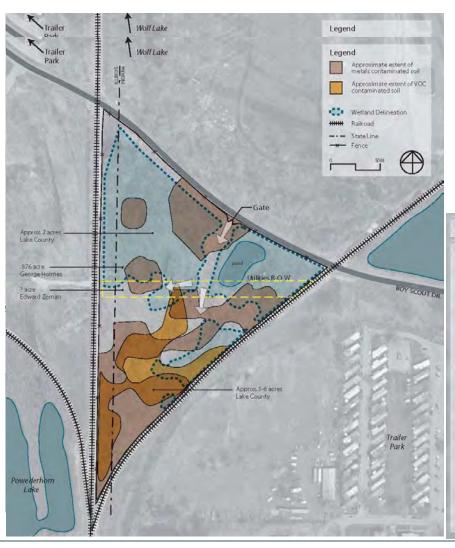
## **Site Surroundings**







### Getting Started: Site Characterization



- Extent of contamination
- Delineated wetlands
- Site features
- → Ownership

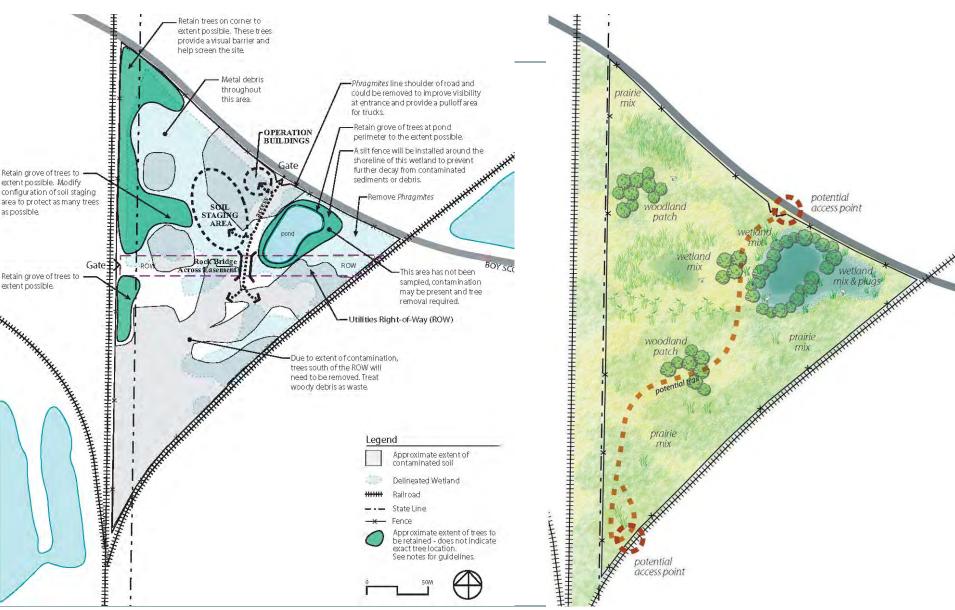


### Getting Started: Stakeholder Engagement

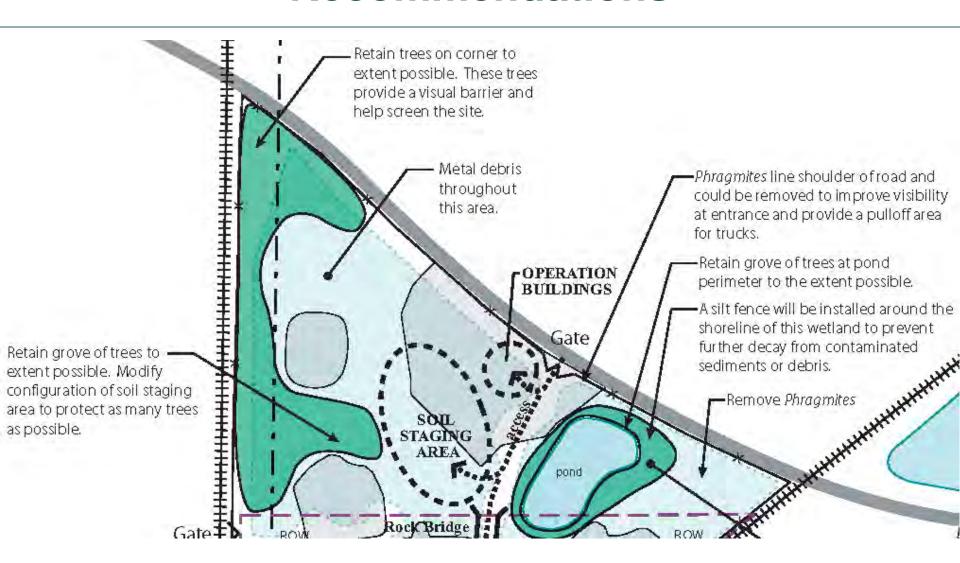


- Stakeholder interviews identified community's interest in recreational uses
- Targeted research identified local and regional green spaces and trail network initiatives
- Site identified as key node in open space and habitat network

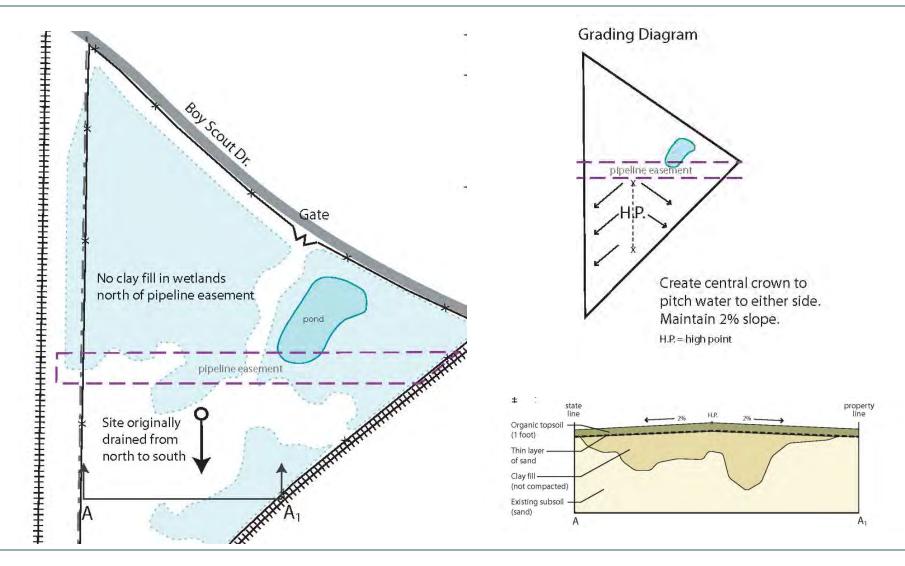
### Informing the Removal Action: Integrated Mapping



# Informing the Removal Action: Recommendations



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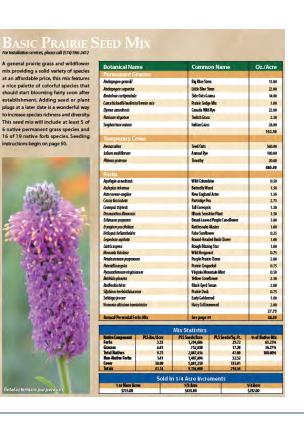
## Removal Action: Fall 2005 – Spring 2006

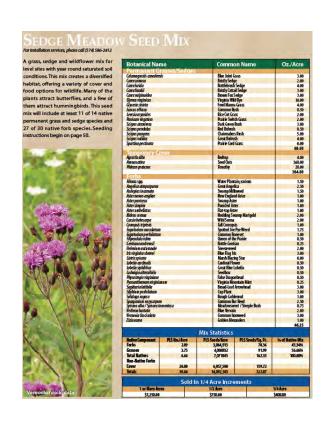






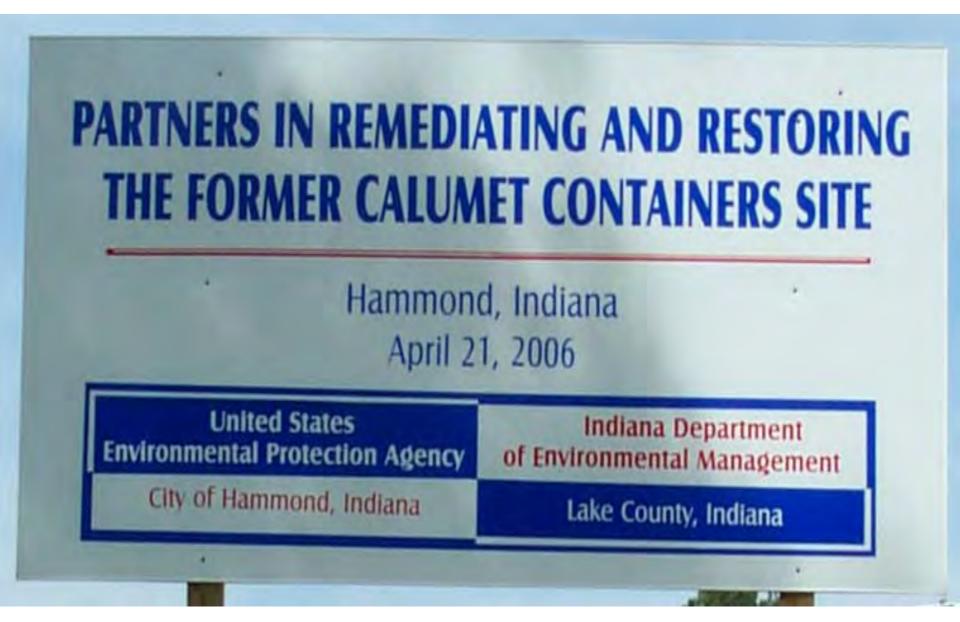
### Site Planting & Maintenance Plans: February 2006







### **Ecological Revitalization: Spring 2006**



### Ecological Revitalization: Summer 2006 - 2009



### **Ecological Revitalization Lessons Learned**

- Ecological revitalization and time-critical removal actions can be compatible
- Straightforward options: revegetate with native plants to restore site ecology
- 3. Think locally and regionally
- Short-term costs can provide long-term cost savings
- 5. No need to go it alone!
- Looking long-term: site maintenance plan and postclosure care planning





#### **Additional Lessons Learned**

# Considering future use at the site helped:

- Clarify site ownership
- Identify community's interest in future use of site
- Integrate future use considerations into cleanup
- Raise community awareness
- Help address site stigma issues
- Address long term protectiveness
- Establish site maintenance plan and responsibilities for post closure care





#### For more information

Tom Bloom EPA Region 5

Phone: (312) 886-1967

E-mail: bloom.thomas@epa.gov